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Attorney's Docket No. 045616/310443

IAP15 Rec'd PCTATO 18 APR 2006

Attn: DO/US

IN THE UNITED STATES DESIGNATED OFFICE (DO/US)

In re: Miura

International Appl. No.: PCT/JP2004/015848

International Filing Date: 26 October 2004

For: DIRECTIONAL ANTENNA DEVICE

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INFORMATION DISCLOSURE STATEMENT

Sir:

The patents listed on the attached PTO-1449 were cited in the International Search Report of corresponding International Application No. PCT/JP2004/015848. A copy of the Search Report is enclosed for the Examiner's convenience. In accordance with the Office waiver published July 11, 2003, copies of the cited U.S. patents and patent application publications are not enclosed. Applicant does enclose copies of any cited foreign patent documents and nonpatent literature in accordance with 37 CFR 1.98(a)(2).

The Examiner may wish to consider the notations on the Search Report itself regarding the relevance of each item. It is requested that the Examiner consider these references and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

Respectfully submitted,

Donald M. Hill, Jr. Registration No. 40,646

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Nancy McPartland

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| | | | | | | International Filing Date | | | 26 October 2004 | | | | |
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| | | (if known) | | | | | | Document | | Figures Appear | Attached | | |
| | | | | | | | | | | | | | |
| | 1 | JP. | JP 51-114053 | | | 10/07/1976 | | Toshiba Corporation | | | Abstract | | |
| | | | | | | 13,0,,15,70 | | 2 comoa Corporation | | | Included | | |
| | | 1 | | | | | | | | | | | |
| | 2 | JP 09-232857 | | | 09/05/1997 | | ' | | Communication | | Abstract | | |
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| Substitute for form 1449/PTO (Revised 07/2005) INFORMATION DISCLOSURE | | | | | mplete if Known PCT/JP2004/015848 | 0/576 | | | |
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| | | ** · · · · · · · · · · · · · · · | | OTHER DOCUMENTS | | | | | |
| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | | | | | |
| | 3 | Copy of the Ir October 2004 | | earch Report for PCT Application No | o. PCT/JP2004/015848; Filed 26 | | | | |
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